S21WFI0072A
S21WFI0073A

CH8674-033(G20) ANTENNA SPEC FOR CERTIFICATION

Date: Nov.-30-2023

Outline

1. Antenna Vendor \ Part Number
2. Measurement Description
3. Antenna Peak Gain
4. Antenna 2D Radiation Pattern
5. Vendor Profile

Antenna Vendor \ Part Number

	Vendor	Part Number
ANT 1	Wanshih	S21WFI0072A
ANT 0	Wanshih	S21WFI0073A

Test Method Reference Basis (Measurement setup info. & Test method , Test Procedure)

1、 Measured according to the method defined by CTIA 。

Test site information(like Chamber)、 Measuring instrument 、Instrument Calibration Data

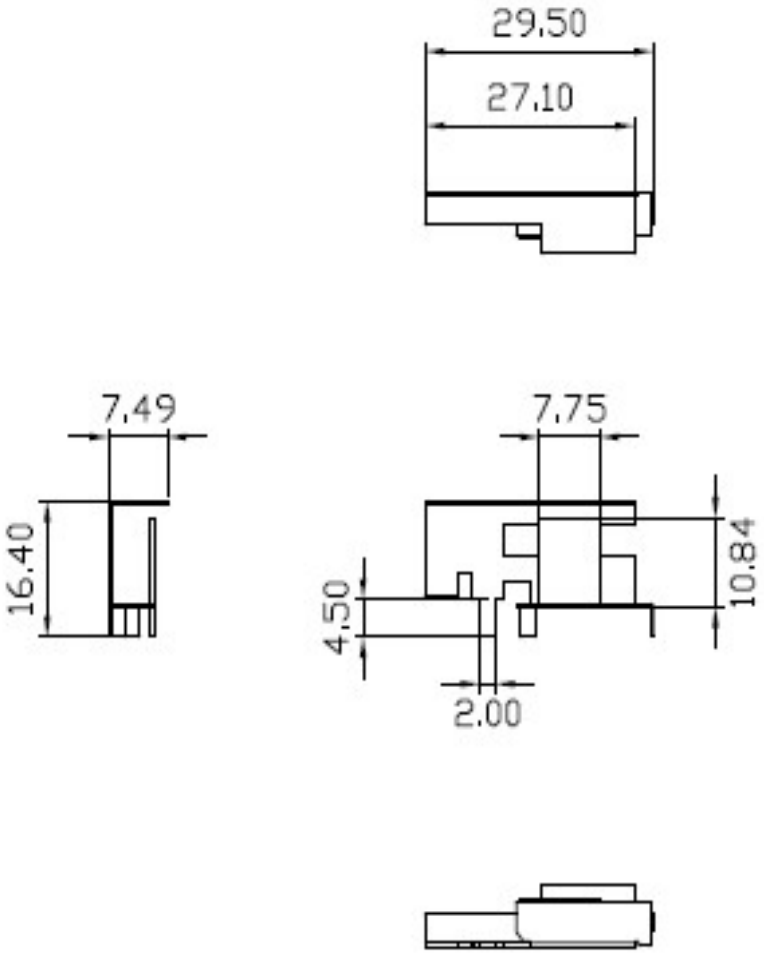
1、OTA Chamber: OTA 800;8m(L)x4m(W)x4m(H)。

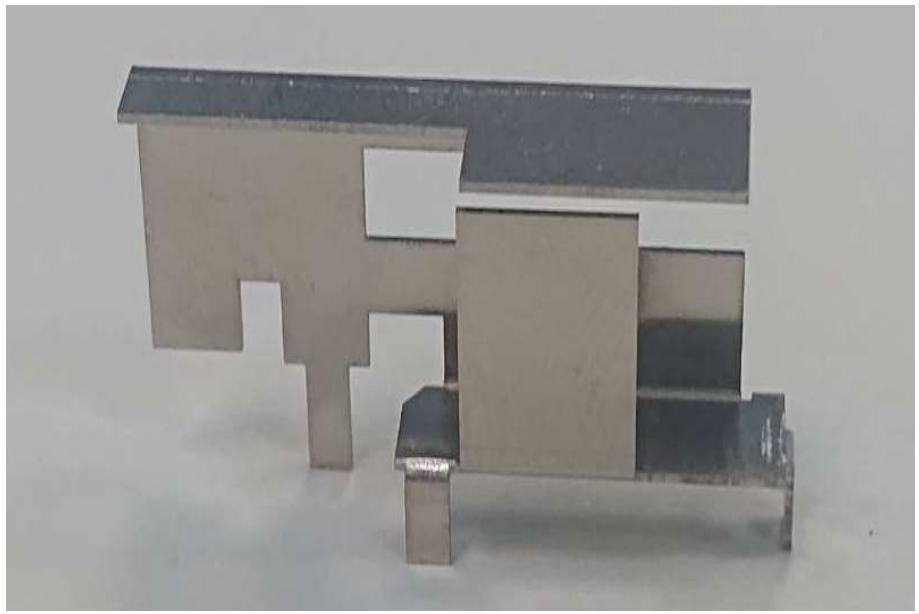
2、Network Analyzer : Agilent E5071C， Network instrument calibration report as attachment J-033。

Peak Calculation formula & Process

1、peak Gain The value is actually measured in the OTA chamber ， non-calculated 。

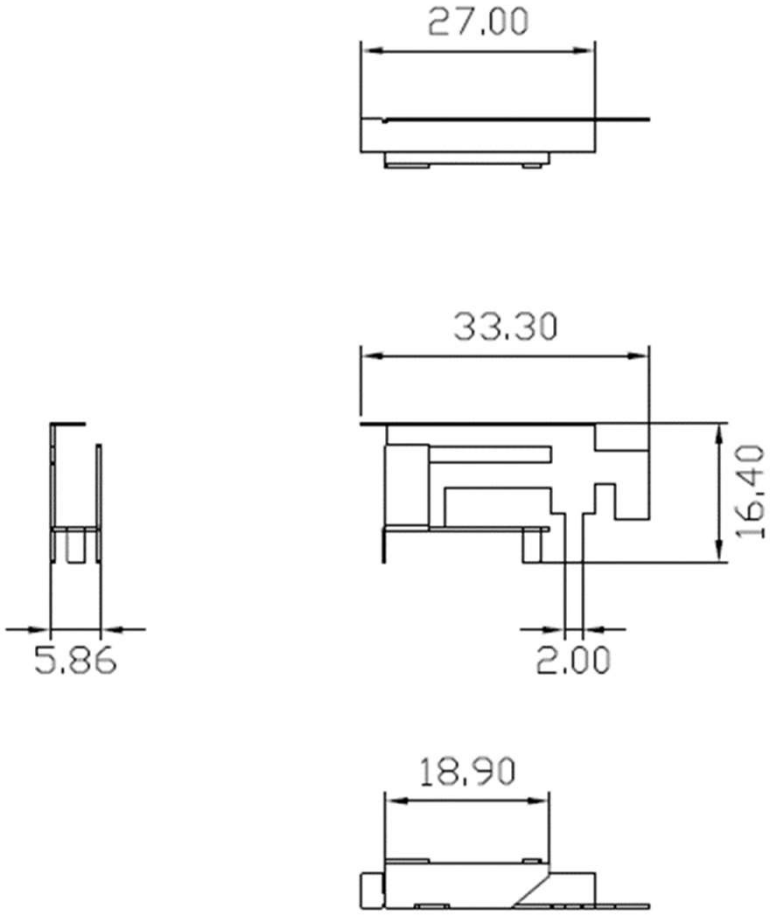
ANT 1

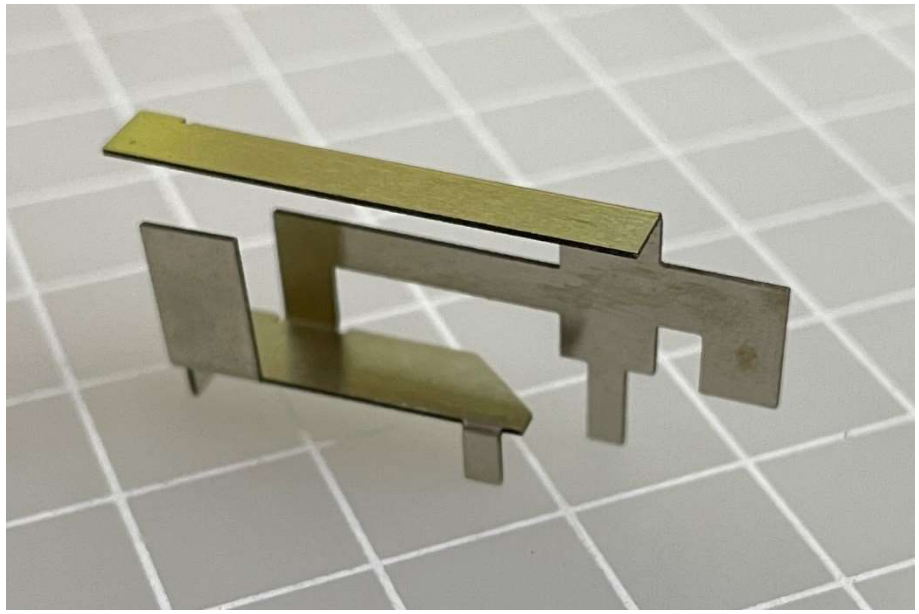




ANT. Type
PIFA

ANT 0





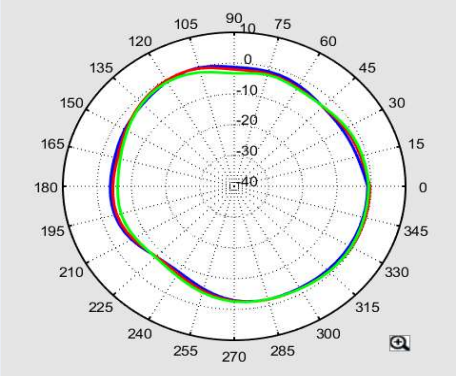
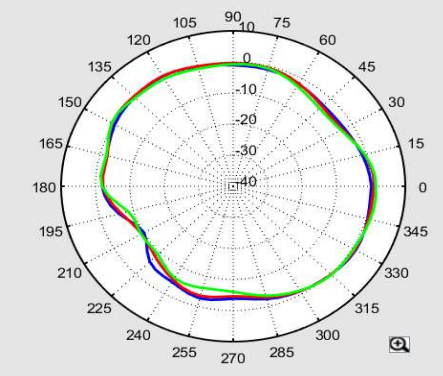
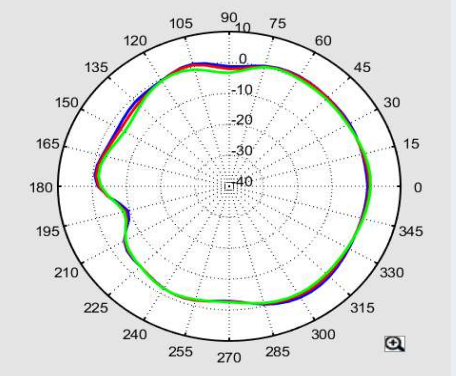
ANT. Type
PIFA

Antenna Peak Gain

	2400 - 2500 MHz		5150 - 5850 MHz	
	Value	Angle	Value	Angle
ANT 1	**2.00 dBi**	Theta：0 Phi：15	**2.45 dBi**	Theta：135 Phi：45
ANT 0	**2.03 dBi**	Theta：15 Phi：285	**3.13 dBi**	Theta：0 Phi：0

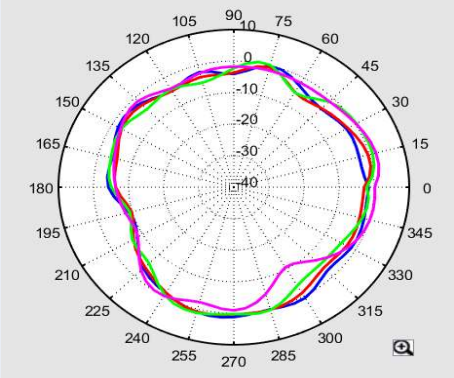
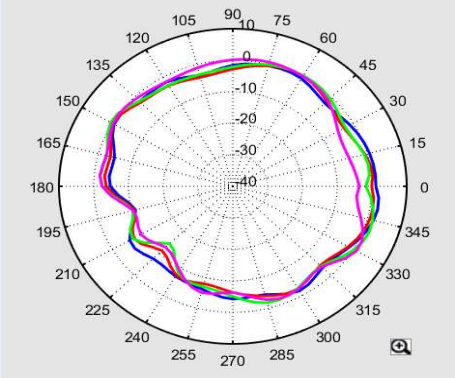
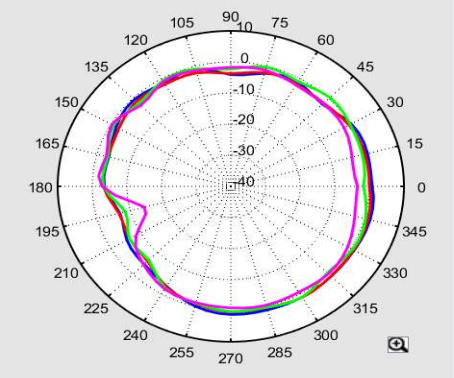
ANT 1

Antenna 2D Radiation Pattern

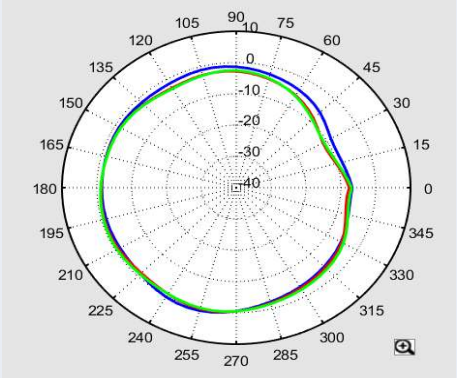
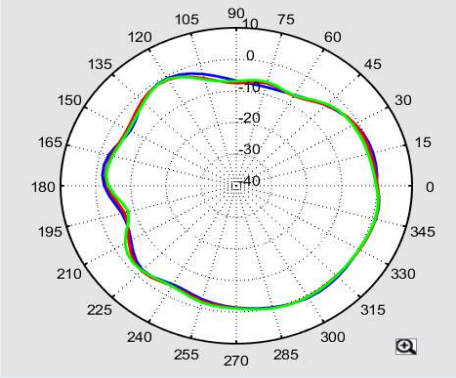
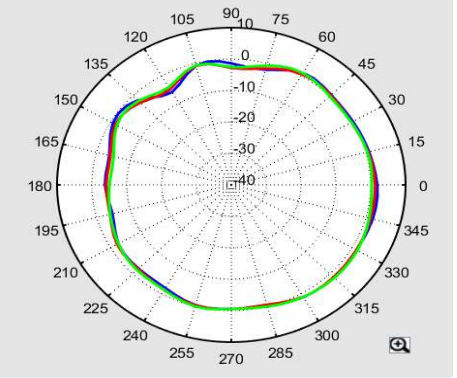
Frequency	2400 - 2500 MHz		
Plane	**XY**	**XZ**	**YZ**
Radiation Pattern			

ANT 1

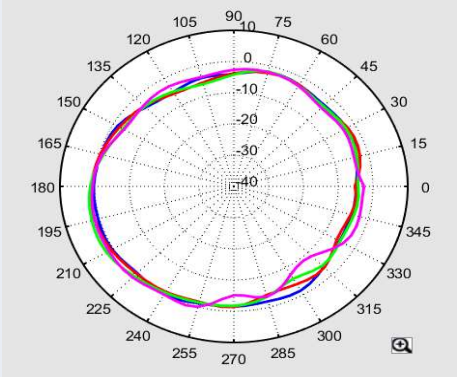
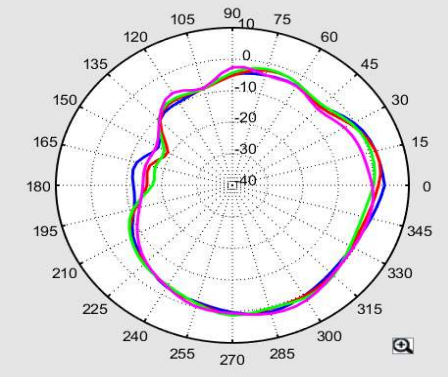
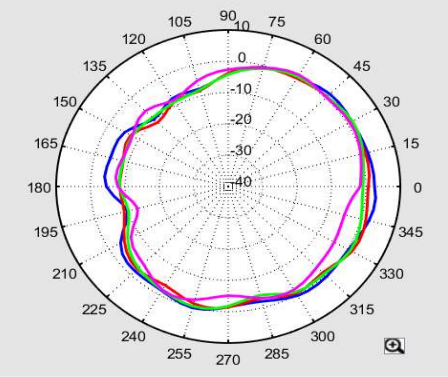
Antenna 2D Radiation Pattern

Frequency	5150 - 5850 MHz		
Plane	**XY**	**XZ**	**YZ**
Radiation Pattern			

ANT 0
Antenna 2D Radiation Pattern

Frequency	2400 - 2500 MHz		
Plane	**XY**	**XZ**	**YZ**
Radiation Pattern			

ANT 0
Antenna 2D Radiation Pattern

Frequency	5150 - 5850 MHz		
Plane	**XY**	**XZ**	**YZ**
Radiation Pattern			

Antenna Vendor Profile

Vendor Name	Adress
WANSHIH ELECTRONIC CO.,LTD.	3-5F 72 Wu Kong 6th Rd., WUGU DIST., NEW TAIPEI INDUSTRIAL PARK, NEW TAIPEI CITY 24891, TAIWAN (R.O.C.)

cbn
THANK YOU